

中国栝楼属的新分类群

陈 书 坤

NEW TAXA OF THE GENUS TRICHOSANTHES L. (CUCURBITACEAE) FROM CHINA

Chen Shu-kun

大苞亚组 (新亚组)

Subsect. *Bracteatae* C. Jeffrey, *Cucurb.* East. Asia. 38. 1980, nom. nud., subsect. nov. [Subgen. *Trichosanthes*, Sect. *Involucraria* (Ser.) Wight et Arn.]

Folia singularia, saepe 5—7-palmatifida, bracteae florum marium late ovatae vel oblongae, concavae, margine incisae, raro integrae.

Typus nominis subsectionis, *T. tricuspidata* Lour.

单叶, 通常 5—7 中裂至深裂; 雄花之苞片阔卵形或长圆形, 内凹, 边缘具缘裂齿, 稀全缘。

亚组模式种: 三尖栝楼 *T. tricuspidata* Lour.

该亚组我国有 12 种, 分布于长江流域及其以南地区。

趾叶亚组 (亚组, 新组合)

Subsect. II. *Pedatae* (C. Y. Cheng et Yueh) C. Jeffrey, *Cucurb.* East. Asia 43. 1980, nom. nud., stat. nov. [Subgen. *Trichosanthes*, sect. *Involucraria* (Ser.) Wight et Arn.] — Sect.

本文作者工作单位: 云南, 昆明, 中国科学院昆明植物研究所 (Kunming Institute of Botany, Academia Sinica, Kunming, Yunnan).

蒙导师吴征镒先生审查拉丁文, 肖溶同志绘图, 作者敬致谢意。

Pedata C. Y. Cheng et Yueh, 植物分类学报 12 (4): 444. 1974.

叶为趾状复叶，具3—5小叶；雄花之苞片菱状披针形，边缘具牙齿。

2种，分布于湖南、江西、广东、广西和云南。其中1种分布至越南。

两广栝楼 (新种) 图1

Trichosanthes reticulineris C. Y. Wu, sp. nov. (Sect. II. *Folicbracteola* C. Y. Cheng et Yueh) — *T. mushanensis* auct. non Hayata: 乐崇熙、诚静容, 植物分类学报 12 (4): 432, 图版 85, 图2, 图版 88, 图 16, 1974. — *T. sp. nov. II.* C. Jeffrey, *Cucurb. East. Asia* 41. 1980, nom. nud.

Species nova affinis *T. smilacifoliae* C. Y. Wu ex Yueh et C. Y. Cheng, sed foliis basi cordatis, utrinque ad nervos pubescentibus, paniculis minoribus, 5—6cm longis, inflorescentiis floribus fructisque omnino dense villosis.

Liana scandens, 6m longa. Caulis medius 5-angulato-sulcatus, ad nodulos tantum puberulus. Folia singularia alterna, laminae coriaceae, ovato-cordatae vel late ovato-cordatae, 15—20cm longae, 10—18cm latae, non divisae, apice acuminatae, basi cordatae, sinu 2—3cm profundo apertae, margine sparse denticulatae, supra virides, subtus viridulae, utrinque ad costam et lateralem nervum pubescentes, ceterum glabrae, 3—5-nerves; petioli 4—6cm longi, striati, pubescentes. Cirri 5-fidi, dense pubescentes. Flores dioici. Flores masculi in racemos vel anguste paniculas dispositi, 5—6cm longi, pedicelli 6mm longi, pedunculi pedicelli bracteaeque omnino dense ferrugineo-pubescenti, bracteae lanceolatae, circiter 15mm longae, Calyx viridis, dense villosus, tubo campanulato, 15mm longo, 5-fido, lobis triangulato-ovatis, 10mm longis, 6mm lato; Corolla alba, 5-fido, lobis flabellato, circiter 2cm longis, circiter 4cm latis, extra dense velutinis, margine fimbriis; Stamina 3, libera, filamenta crassa, circiter 4mm longa, antherae oblongae, 7mm longae, 5mm diam. glabra. Flores feminei solitarii, pedicelli 2cm longi, dense villosi, Calyx viridis dense villosus, tubo 1cm

longo, 7mm diam. lobis linearibus, 12mm longis, 2—3mm latis, Corolla alba, pubescens, lobis anguste oblongis, 2cm longis, 7mm latis, fimbriis; Ovarium ovatum, 2.5cm longum, 2cm diam. dense villosum, stylus 5mm longus, 3mm diam., stigma 3. Fructus ovatus, 6cm longus, 5cm diam., dense villosus; semina ovata, compressa, brunneola, 11mm longa, 7mm lata, circiter 3mm crassa.

Guangdong (广东): Lianshan Xian (连山县), Dai xu shan, alt. 320m, 29. May. 1958, Tam Pui-cheung (谭沛祥) 58163 (Typus in Herb. Instit. Bot. Acad. Sin. Conserv.), Gaoyao Xian (高要县), Chen Shao-qing (陈少卿) 7435; Shi Guo-liang (石国良) 12197; Fengkai Xian (封开县), Yue 七四 4787.

Guangxi (广西): Bose Xian (百色县), Fang Ding (方鼎) et al. 36951; Zhaoping Xian (昭平县), Lung-ping Exp. 7—057; Jingxi Xian (靖西县), Fang Ding et al. 23667; Shanglin Xian (上林县), Fang Ding et al. 66908; Jinxiu Xian (金秀县), Jinxiu Exp. 5-1-24; Lu Qing-gua (吕清华) 4498; Fengshan Xian (凤山县), Chang Chao-chien (张肇骞) 11283; Pingnan Xian (平南县), Huang Zhi (黄志) 39272; Gongcheng Xian (恭城县), Li Yin-kun (李荫昆) 402896; He Xian (贺县), Chen Zao-chun (陈早春) et al. 500237; Zhongshan Xian (钟山县), Zhongshan Exp. 7—524.

本种与菝葜叶栝楼 *T. smilacifolia* C. Y. Wu ex Yueh et C. Y. Cheng 相似, 两者的叶均卵形, 不分裂, 雄花均排列成圆锥花序, 唯本种的叶基心形, 不为圆形, 两面沿中肋和侧脉被短柔毛, 余无毛, 圆锥花序长仅 5—6 厘米; 花序、花及果实均密被长柔毛, 种子卵形, 较小, 易于区别。

皱萼栝楼 (新种) 图 2

Trichosanthes crispisepala C. Y. Wu, sp. nov. (Sect. II. *Foliobracteola* C. Y. Cheng et Yueh)

Species lobis calycis lineari-lanceolatis, 25mm longis, basi circiter 4mm latis, apice longe acuminatis, crispatis, corolla lutea, lobis ambitu cruciformibus, 2cm longis latisque, apice caudato-acuminatis, utrinque longe fimbriati a congeneribus diversa.

Herba scandens. Caulis crassus, 5-angulato-sulcatus, glaber, lenticellis. Folia chartacea, ovata, 9—12.5cm longa, 6—8.5cm lata, apice caudato-acuminata, basi truncata, dilute concava, margine repando-denticulata, supra viridia, subtus viridula, utrinque glabra, quintuplinervia, nervuli reticulati, utrinque convexi, petioli 4—6cm longi, striati, glabri. Cirri 2-fidi. Flores dioici. Flores masculi 3—5 in racemos dispositi vel super solitarii, pedunculus 15cm longus, striatus, glaber, pedicellus solitarius 7cm longus, bractee late ovatae, 2.5cm longae, 2cm latae, apice acuminatae, integrae. Calyx viridis, tubo oblongo, 1cm longo, 7mm diam., extra brunneo-pubescenti, lobis lineari-lanceolatis, 2.5cm longis, basi 4mm latis, apice longe acuminatis, crispatis, margine integris, glabris. Corollae luteae, lobis ambitu cruciformibus, 2cm longis latisque, apice caudato-acuminatis, utrinque longe fimbriatis, extra dense brunneo-velutinis, Stamina 3, libera, antheris ellipticis, 5mm longis, connectivo hirsuto. Flos femineus et fructus incognitus.

Yunnan (云南): Funing Xian (富宁县), Lung-mai (龙麦), alt. 1000m, 30. Aug. 1940, C. W. Wang (王启无) 89028 (Typus in Herb. Kunm. Instit. Bot. Acad. Sin. conserv.), Flower yellow.

本种以其花萼裂片线状披针形，长2.5厘米，宽4毫米，长渐尖，皱曲，以及花冠裂片十字形，先端尾状渐尖，两侧具流苏，而不同于本属的其它成员。

黄山栝楼 (新变种)

Trichosantes rosthornii Harms var. *huangshanensis* S. K. Chen, var. nov.

A typo differt foliis usque ad basin 5-partitis, lobis linearibus, 1—2 lineari-lobulatis.

Anhui (安徽): She Xian (歙县), Huangshan (黄山), 14. Jul. 1975, Kuan Ke-chien (关克俭) 75268 (Typus in Herb. Instit. Bot. Acad. Sin. conserv.) Fl. alba, ibidem, Kuan Ke-chien 0554, Fl. ♂.

本变种与中华栝楼（原变种）的主要区别是叶片5深裂达基部，裂片线形，且具1—2线状细裂片。

小花栝楼（新种） 图3

Trichosanthes parviflora C. Y. Wu, sp. nov. (Sect. II. *Foliobracteola* C. Y. Cheng et Yueh)

Species nova affinis *T. hylonomata* Hand.-Mazz., sed plantis minoribus, foliis petiolis pedicellis calycibus ovariisque omnino sparsim villosis; stigmatibus 3, basi connatis.

Liana scandens. Caulis gracilis, striatus, pubescens. Folia chartacea, late ovato-cordata vel rotundato-cordata, 4—5cm longa, 4.5—6cm lata, trifida vel usque ad medium foliorum apice acuminata, basi cordata, sinu circiter 10mm profundo apertae, margine mucronato-denticulata, supra viridia, sparse villosa, subtus viridula, glabra, utrinque bullato-granulata, triplinervia, mediis lobis ovato-triangularibus, interdum anguste triangularibus, lateralibus triangularibus; petioli 1.5—2cm longi, striati, pilosi. Cirri 2-fidi, pilosi. Flores dioici. Flos masculus incognitus. Flores feminei solitarii, pedicelli 2cm longis, pilosi; Calyx viridis, villosus, tubo oblongo, 7mm longo, 1.5mm diam. praeditus, 5-fido, lobis subulatis, 2mm longis, Corolla 5-fida, lobis obovatis, circiter 4mm longis latisque, apice mucronatis, fimbriatis; Ovarium ellipsoideum, 8mm longum, 2mm diam., villosum; stylus 5mm longus, stigma 3, basi connata. Fructus et semina incognitus.

Zhejiang (浙江): Lishui Xian (丽水县), Dagangtou (大港头), Xiaojing (小井), Chang Shao-yao (章绍尧) 6072 (Typus in Kunm. Instit. Bot. Acad. Sin. conserv.) Fl. ♀.

Jiangsu (江苏): Yixing Xian (宜兴县), alt. 200m, 16. Aug. 1960, Fang Wen-zhe (方文哲) et al. 151, 雄花蕾。

本种与湘桂栝楼 *T. hylonoma* Hand.-Mazz. 相似，唯本种之植株矮小，叶面、叶柄、花梗、花萼及子房均疏被长柔毛；柱头3，基部合生成筒状，易于区别。

海南栝楼（变种，新组合）

Trichosanthes cucumeroides (Ser.) Maxim. var. *hainanensis*

(Hayata) S. K. Chen, comb. nov. — *T. hainanensis* Hayata
Icon. Pl. Formos. 10: 8. 1921; 陈焕镛主编, 海南植物志 1: 482.
1965; 乐崇熙, 诚静容, 植物分类学报 12 (4): 422, 图 2, 图版 88, 图
8, 1974; Ju-ying Hsiao in Fl. Taiwan 3: 813. 1977, in syn.

本变种与王瓜(原变种)的主要区别是种子较小, 三角状卵形, 两侧
室狭小, 中央环带宽而下延。

分布于广东、广西。生于低海拔山地丛林中。

波叶栝楼 (变种, 新组合)

Trichosanthes cucumeroides (Ser.) Maxim. var. *dicoelosperma*
(C. B. Clarke) S. K. Chen, comb. nov. — *T. dicoelosperma*
C. B. Clarke in Hook. Fl. Brit. Ind. 2: 609. 1879; Cogn. in
DC., Mon. Phan. 3: 382. 1881; Forbes et Hemsl. in Journ.
Linn. Soc. Bot. 23: 313. 1888; Kundu in Journ. Bombay Nat.
Hist. Soc. 43: 383. 1942; Chakr. in Rec. Bot. Surv. Ind. 17
(1): 53. 1959; 乐崇熙, 诚静容, 植物分类学报 12 (4): 423. 1974.
— *T. ascendens* C. Y. Cheng et Yueh, l. c. 18 (3): 340. 1980,
syn. nov.

本变种与王瓜(原变种)的主要区别在于果实球形或椭圆形, 种子稍
压扁, 两侧室近长方形。

在我国仅见于西藏东南部和广西, 生于海拔 600—1180 米的密林中。
亦分布于印度。

————— . . . —————

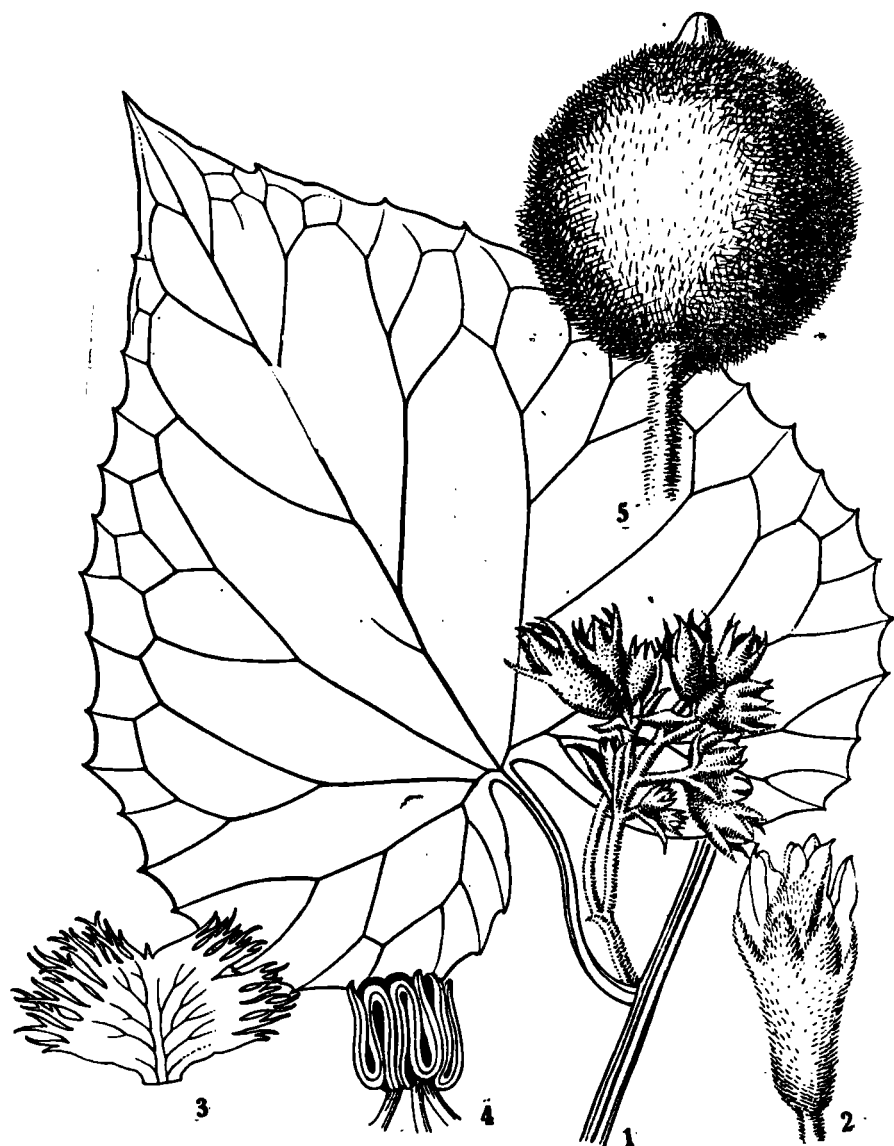


图1. 两广栝楼 *Trichosanthes reticulinnervis* C. Y. Wu, sp. nov. 1. 雄花枝, 2. 雄花
蕊 (放大), 3. 花冠裂片, 4. 雄蕊 (放大), 5. 果 (肖溶绘)

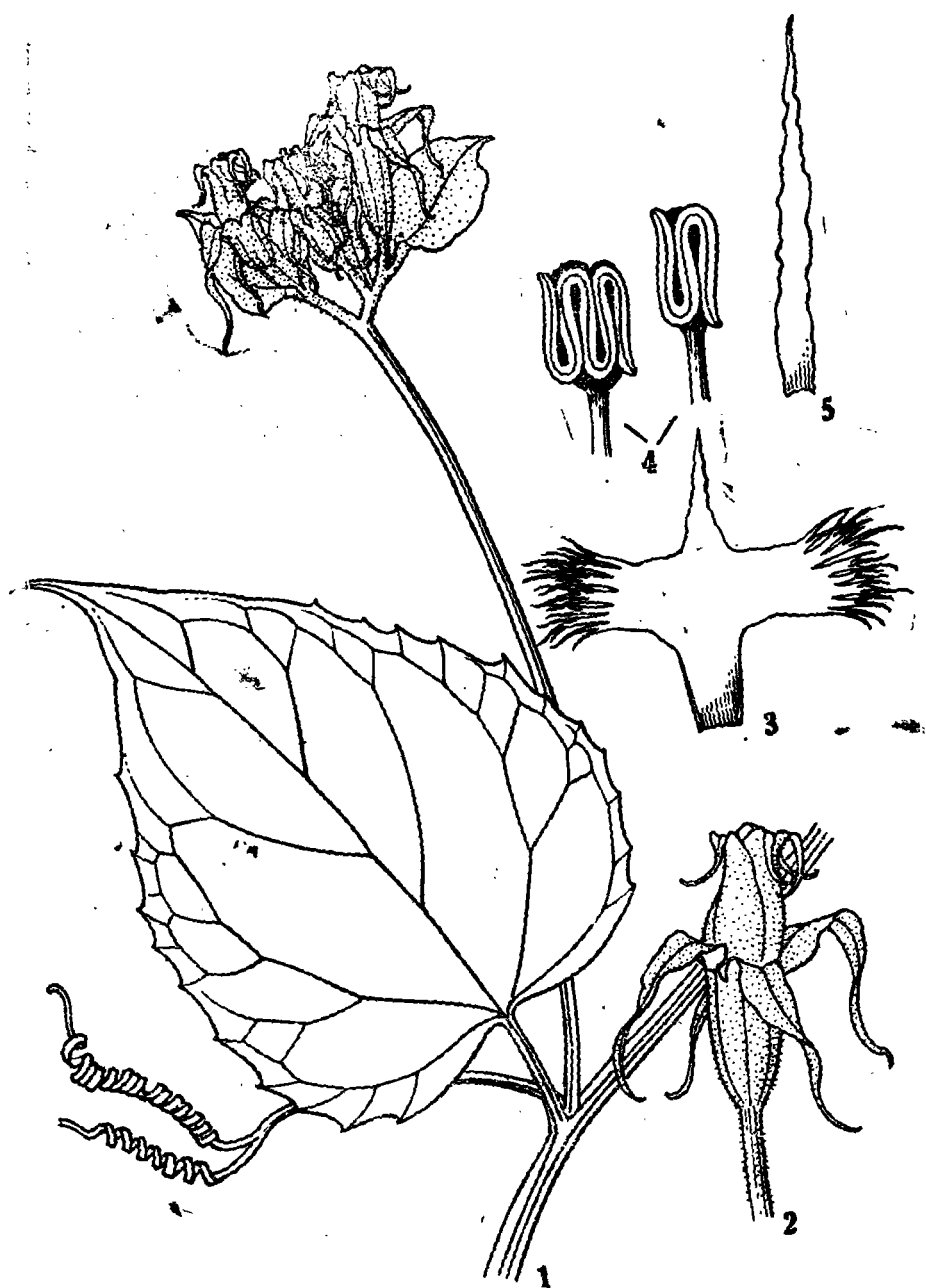


图2. 皱萼栝楼 *Trichosanthes crispisepala* C. Y. Wu, sp. nov.

1. 雄花枝, 2. 雄花 (放大), 3. 花冠裂片 (放大), 4. 雄蕊 (放大), 5. 花萼裂片 (放大), (肖溶绘)

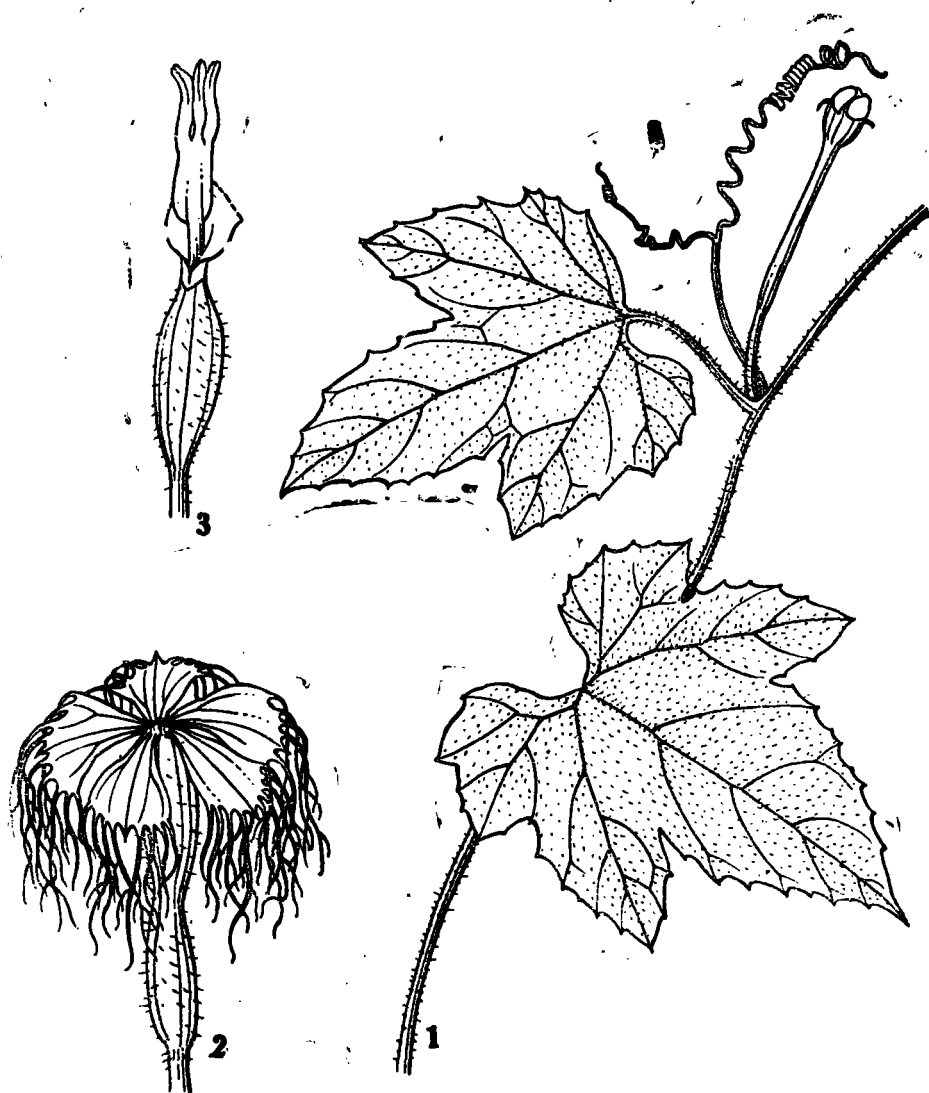


图3. 小花栝楼 *Trichosanthes parviflora* C. Y. Wu, sp. nov.,
1. 雄花枝, 2. 雌花 (放大), 3. 雌花去花被, 示花柱及柱头。(肖溶绘)